

WHAT IS CLAIMED IS:

1. A system for displaying user information, comprising:

a camera configured to acquire image information of a section of an environment;

at least one of a zoom device configured to alter a size of the section in accordance with a zoom factor and a device configured for three-dimensional orientation of the camera in accordance with a space vector;

a computer unit,

wherein the computer unit is configured to compute position coordinates of the image information based on at least one of space coordinates of the camera, the zoom factor, and the space vector;

wherein the computer unit is configured to assign the user information to the position coordinates; and

wherein the computer unit is configured to compute positions of representations of the image information on a display area of a display device; and

an image processing unit for processing the image information and the user information so as to reproduce the image information and the user information with the display device and so as to insert the user information in a location on the display area at the positions of the representations of the image information having the position coordinates to which the respective user information is assigned.

2. The system as claimed in Claim 1, wherein the computer unit comprises a triggering unit configured to trigger at least one of the camera, the zoom device, and the device for three-dimensional orientation of the camera in accordance with at least one of the zoom factor and the space vector.

3. The system as claimed in Claim 1, wherein the image processing unit is configured to select and insert the user information as a function of the zoom factor.

4. The system as claimed in Claim 1, wherein the user information comprises at least one of static and dynamic information.

5. The system as claimed in Claim 1, wherein the camera comprises a video camera and the display device comprises a display screen.

6. The system as claimed in Claim 2, wherein the triggering unit comprises an operator interface.

7. The system as claimed in Claim 1, wherein the image processing unit is provided for processing the image information and the user information, for reproducing the image information and the user information with the display device, and for inserting the user information in the location on the display area in accordance with an imaging procedure.

8. A method of displaying user information, comprising:

acquiring image information of a section of an environment with a camera;

at least one of altering a size of the section in accordance with a zoom factor
utilizing a zoom device and orienting the camera three-dimensionally in accordance
with a space vector utilizing a device;

with a computer unit, computing position coordinates of the image
information based on at least one of space coordinates of the camera, the zoom factor,
and the space vector;

with the computer unit, assigning the user information to the position
coordinates;

with the computer unit, computing positions of representations of the image
information on a display area of a display device; and

with an image processing unit, processing the image information and the user
information so as to reproduce the image information and the user information with
the display device and so as to insert the user information in a location on the display
area at the positions of the representations of the image information having the
position coordinates, to which the respective user information is assigned.

9. The method as claimed in Claim 8, wherein, by using a triggering unit, the
computer unit triggers at least one of the camera, the zoom device, and the device for
three-dimensional orientation of the camera in accordance with at least one of the
zoom factor and the space vector.

10. The method as claimed in Claim 8, wherein the image processing unit selects the user information and inserts the user information as a function of the zoom factor.

11. The method as claimed in Claim 8, wherein the user information comprises at least one of static and dynamic information.

12. The method as claimed in Claim 8, wherein the camera comprises a video camera and the display device comprises a display screen.

13. The method as claimed in Claim 9, wherein at least one of the camera, the zoom device, and the device for three-dimensional orientation of the camera is operated by a user by using a unit of the triggering unit.

14. The method as claimed in Claim 8, wherein the image processing unit processes the image information and the user information for reproduction with the display device and for insertion of the user information in the location on the display area in accordance with an imaging procedure.